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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

### Complete if Known


Application Number	09/415,594
Filing Date	October 8, 1999
First Named Inventor	Rowe et al.
Art Unit	2621
Examiner Name	Werner, Brian P.
Attorney Docket Number	020204-001400US

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### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
Per FC Per MS	A1	US-3,910,701	10-07-1975	Henderson, et al.	356/39
	A2	US-5,222,495	06-29-1993	Clarke, et al.	128/633
	A3	US-5,737,439	08-07-1998	Lapsley, et al.	382/115
	A4	US-5,751,835	05-12-1998	Topping, et al.	382/115
	A5	US-5,793,881	08-11-1998	Stiver, et al.	382/115
	A6	US-5,987,346	11-16-1999	Benaron, et al.	600/407
	A7	US-6,041,410	03-21-2000	Hsu, et al.	713/186
	A8	US-6,088,607	07-11-2000	Diab, et al.	600/322
	A9	US-6,122,394	09-19-2000	Neukermans, et al.	382/124
	A10	US-6,115,484	09-05-2000	Bowker, et al.	382/127
	A11	US-6,148,094	11-14-2000	Kinsella, David J.	382/124
	A12	US-6,152,876	11-28-2000	Robinson, et al.	600/322
	A13	US-6,157,041	12-05-2000	Thomas, et al.	250/573
	A14	US-6,159,147	12-12-2000	Lichter, et al.	600/300
	A15	US-6,172,743	01-09-2001	Kley, et al.	356/39
	A16	US-6,181,414 B1	01-30-2001	Raz, et al.	356/151
	A17	US-6,181,958 B1	01-30-2001	Steuer, et al.	600/322
	A18	US-6,240,309 B1	05-29-2001	Yamashita, et al.	600/407
	A19	US-6,256,523 B1	07-03-2001	Diab, et al.	600/322
	A20	US-6,272,367 B1	08-07-2001	Chance, Britton	600/467
	A21	US-6,280,381	08-28-2001	Malin, et al.	600/322
	A22	US-6,285,895 B1	09-04-2001	Ristolainen, et al.	600/322
	A23	US-6,301,815 B1	10-16-2001	Sliwa, Steven M.	42/70.1
	A24	US-6,304,767 B1	10-16-2001	Soller, et al.	600/322
	A25	US-6,307,633 B1	10-23-2001	Mandella, et al.	356/479
	A26	US-6,309,884 B1	10-30-2001	Cooper, et al.	436/143

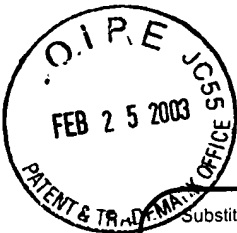
### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
Examiner Signature					Date Considered		

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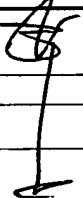
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Sheet **2** of **3**

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Examiner Name	Werner, Brian P.
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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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	B2	EPO	0 924 656	A2	06-23-1999	TRW Inc.	607C 9/00	<input type="checkbox"/>
	B3	PCT	WO 01/18332	A1	03-15-2001	Siemens Aktiengesellschaft	607C 9/00	<input type="checkbox"/>
	B4	PCT	WO 01/27882	A2	04-19-2001	Rio Grande Medical Technologies, Inc.	607C	<input type="checkbox"/>
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								<input type="checkbox"/>

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Brian Werner

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Sheet **3** of**Complete if Known**

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	NICHOLS, et al., " Design and Testing of a White-light, Steady-state diffuse reflectance spectrometer for Determination of Optical Properties of Highly Scattering Systems" ; <u>Applied Optics</u> , Vol. 36, No. 1, January 1997, pp. 93-104.	

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Sheet 1 of 4

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Application Number 09/415,594  
Filing Date October 8, 1999  
First Named Inventor Robert K. Rowe et al.  
Art Unit 2621  
Examiner Name Werner, Brian P.  
Attorney Docket Number 20204-001400

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### U.S. PATENT DOCUMENTS

Example	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<del>1</del>	AA	US-3,508,830	04-28-70	Hopkins et al.	356/1103
	AB	US-427,889	01-24-84	Muller	250/339
	AC	US-4,653,880	03-31-87	Sting et al.	350/620
	AD	US-4,655,225	04-07-87	Dahne et al.	128/633
	AE	US-4,661,706	04-28-87	Messerschmidt et al.	250/341
	AF	US-4,712,912	12-15-87	Messerschmidt	356/173
	AG	US-4,730,882	03-15-88	Messerschmidt	350/96.1
	AH	US-4,853,542	08-01-89	Milosevic et al.	250/353
	AI	US-4,859,064	08-22-89	Messerschmidt et al.	356/446
	AJ	US-4,882,492	11-21-89	Schlager	250/346
	AK	US-4,975,581	12-04-90	Robinson et al.	250/339
	AL	US-5,015,100	05-14-91	Doyle	356/445
	AM	US-5,019,715	05-28-91	Sting et al.	250/571
	AN	US-5,028,787	07-02-91	Rosenthal et al.	250/341
	AO	US-5,051,602	09-24-91	Sting et al.	250/571
	AP	US-5,070,874	12-10-91	Barnes et al.	128/633
	AQ	US-5,158,082	10-27-92	Jones	128/633
	AR	US-5,179,951	01-19-93	Knudson	128/633
	AS	US-5,222,496	06-29-93	Clarke et al.	128/633
	AT	US-5,225,678	07-06-93	Messerschmidt	250/339
	AU	US-5,230,702	07-27-93	Lindsay et al.	604/14
	AV	US-5,237,178	08-17-93	Rosenthal et al.	250/341
	AW	US-5,299,570	04-05-94	Hatschek	128/633
	AX	US-5,311,021	05-10-94	Messerschmidt	250/339.01
	AY	US-5,321,265	06-14-94	Block	250/243
	AZ	US-5,331,958	07-26-94	Oppenheimer	128/633
	BA	US-5,348,003	09-20-94	Caro	128/633
	BB	US-5,351,686	10-04-94	Steuer et al.	128/633
	BC	US-5,355,880	10-18-94	Thomas et al.	128/633
	BD	US-5,366,903	11-22-94	Lundsgaard et al.	436/165
	BE	US-5,372,135	12-13-94	Mendelson et al.	128/633
	BF	US-5,379,764	01-10-95	Barnes et al.	128/633
	BG	US-5,402,778	04-04-95	Chance	128/633
	BH	US-5,405,315	04-11-95	Khuri et al.	128/633
	BI	US-5,435,309	07-25-95	Thomas et al.	128/633
	BJ	US-5,452,723	09-26-95	Wu et al.	128/644

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Brian Werner

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Sheet **2** of **4**

Complete if Known

Application Number	09/415,594
Filing Date	October 8, 1999
First Named Inventor	Robert K. Rowe et al.
Art Unit	2621
Examiner Name	Werner, Brian P.
Attorney Docket Number	20204-001400

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	BK	US-5,494,032		02-27-96	Robinson et al.	128/633
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	BM	US-5,507,723		04-16-96	Keshaviah	604/13
	BN	US-5,518,623		05-21-96	Keshaviah et al.	210/646
	BO	US-5,533,509		07-09-96	Koashi et al.	128/633
	BP	US-5,630,413		05-20-97	Thomas et al.	128/633
	BQ	US-5,636,633		06-10-97	Messerschmidt et al.	128/633
	BR	US-5,655,530		08-12-97	Messerschmidt	128/633
	BS	US-5,681,273		10-28-97	Brown	604/16
	BT	US-5,719,950		02-17-98	Osten et al.	282/115
	BU	US-5,792,050		08-11-98	Alam et al.	600/310
	BV	US-5,823,951		10-20-98	Messerschmidt et al.	600/322
	BW	US-5,830,132		11-03-98	Robinson	600/310
	BX	US-5,857,462		01-12-99	Thomas et al.	128/633
	BY	US-5,935,062		08-10-99	Messerschmidt et al.	600/322
	BZ	US-				

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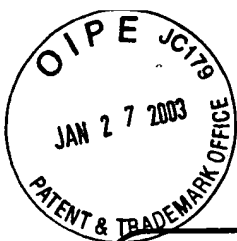
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### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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<i>[Signature]</i>	CI	Bantle, John P. et al., "Glucose Measurement in Patients with Diabetes Mellitus with Dermal Interstitial Fluid," copyright © 1997 by Mosby-Year Book, Inc., pp. 436-441.	
	CJ	Bleyer et al., "The costs of Hospitalizations Due to Hemodialysis Access Management", <u>Nephrology News &amp; Issues</u> , January, 1995, pp. 19, 20 and 22..	
	CK	Berkoben et al., "Vascular Access for Hemodialysis", <u>Clinical Dialysis</u> , published on or before October 30, 1997, 20 pages.	
	CL	Daugirdas et al., "Comparison of Methods to Predict the Equilibrated Kt/V (eKt/V) in the Hemo Study", National Institutes of Health, NIDDK, Bethesda, MD, August 20, 1996.	
	CM	Depner et al., "Clinical Measurement of Blood Flow in Hemodialysis Access Fistulae and Grafts by Ultrasound Dilution", from the Department of Nephrology, University of California, published on or before October 30, 1997, 4 pages.	
	CN	Jacobs et al., "A Disposable Urea Sensor for Continuous Monitoring of Hemodialysis Efficiency", <u>USAIO Journal</u> , 1993, pp. M353-M358.	
	CO	Hakim et al., "Effects of Dose of Dialysis on Morbidity and Mortality", <u>American Journal of Kidney Diseases</u> , Vol. 23, No. 5, May 1994, pp. 661-669.	
	CP	Keshaviah et al., "On-line monitoring of the delivery of the hemodialysis prescription", <u>Pediatric Nephrology</u> , Vol. 9, 1995, pp. S2-S8.	
	CQ	Krivitski, "Theory and Validation of Access Flow Measurement by Dilution Technique During Hemodialysis", <u>Kidney International</u> , Vol. 48, 1995, pp. 244-250.	
	CR	Marbach, "Measurement Techniques for IR Spectroscopic Blood Glucose Determination", 1993.	
	CS	Mardia, K. V. et al., <u>Multivariate Analysis</u> , Academic Press (1979) pp. 300-325.	
	CT	Ripley, B. D. <u>Pattern Recognition and Neural Networks</u> , Cambridge University Press (1996) pp. 91-120.	
	CU	Ronco et al., "On-line urea monitoring: a further step towards adequate dialysis prescription and delivery", <u>Int'l. Journal of Artificial Organs</u> , Vol. 18, No. 9, 1995, pp. 534-543.	
<i>[Signature]</i>	CV	Service, F. John et al., "Dermal Interstitial Glucose as an Indicator of Ambient Glycemia", <u>Diabetes Care</u> , Vol. 20, No. 9, September 1997, 9 pages.	

Examiner  
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*[Signature]* Brian Werner

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CW	Sherman, "Recirculation in the Hemodialysis Access", <u>Principles and Practice of Dialysis</u> , published on or before October 30, 1997, 9 pages.	
	CX	Sherman, "The Measurement of Dialysis Access Recirculation", <u>American Journal of Kidney Diseases</u> , Vol. 22, No. 4, October 1993, pp. 616-621.	
	CY	Steuer et al., "A New Optical Technique for Monitoring Hematocrit and Circulating Blood Volume: Its Application in Renal Dialysis", <u>Dialysis &amp; Transplantation</u> , Vol. 22, No. 5, May 1993, 5 pages.	
	CZ	Webb, Paul, "Temperatures of Skin, Subcutaneous Tissue, Muscle and Core in Resting Men in Cold, Comfortable and Hot Conditions," <u>European Journal of Applied Physiology</u> , Vol. 64 (1992) pp. 471-476.	
	DA	Brochure entitled "Determination of Delivered Therapy Through Measurement of Effective Clearance", Feresenius USA, December 1994, 1 page.	
	DB	Brochure entitled "Improve the Clinical Outcome of Every Patient", In Line Diagnostics, published on or before October 30, 1997, 2 pages.	

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